



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Verma et al.

Serial No. 10/080,036

Filed: February 19, 2002

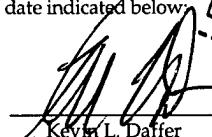
For: MEMORY MODULE HAVING
INTERCONNECTED AND
STACKED INTEGRATED CIRCUITS

§ Group Art Unit: 2185
§ Examiner: Unknown

§ Atty. Dkt. No. 5732-00300

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date indicated below.

5/9/02
Date


Kevin L. Daffer

2185
PATENT
5732-00300/MA-069
RECEIVED
AUG 19 2002
TECHNOLOGY CENTER 2800
2002

INFORMATION DISCLOSURE STATEMENT

RECEIVED

JUN 05 2002

Technology Center 2800

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicant requests consideration of the references listed on the attached Form PTO-1449 and/or the additional information identified below in paragraph 3. A copy of each reference listed on the Form PTO-1449 is enclosed.

1. This Information Disclosure Statement is submitted:

- a. within 3 months of the filing date of a national application other than a continued prosecution application under § 1.53(d);
 within 3 months of the date of entry of the national stage as set forth in § 1.491 in an International application;
 before the mailing date of a first Office Action on the merits; or
 before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.

- b. after the events of above paragraph 1a and prior to the mailing date of a final Office Action or Notice of Allowance, and thus: the certification of paragraph 2 below is provided, or a fee of \$180.00 is enclosed.

- c. after the mailing date of a final Office Action or a Notice of Allowance and prior to payment of the issue fee, and thus: the certification of paragraph 2 below is provided and a fee of \$180.00 is enclosed.
2. It is hereby certified:
- that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the Statement.
3. Consideration of the following additional information (including any co-pending or abandoned U.S. applications, prior uses and/or sales, etc.) is requested:
4. For each non-English language reference listed on the attached Form PTO-1449:
- reference is made to an English language translation submitted herewith, and/or
- reference is made to a foreign patent office search report (in the English language) submitted herewith, and/or
- reference is made to an English language translation of a foreign patent office search report submitted herewith, and/or
- reference is made to the concise explanation contained in the specification of the present application at page(s) _____, and/or
- reference is made to the concise explanation set forth below:
5. Applicant also offers the following comments for the Examiner's consideration:
6. Also enclosed is a copy of a foreign search report citing these references.
7. The listed documents were brought to the attention of the Applicant(s) after payment of the issue fee in the captioned case. The documents were cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. Applicant(s) request this Information Disclosure Statement and attached Form PTO-1449 be placed in the file of the captioned application.

8. Applicant(s) requests that the Information Disclosure Statement and attached Form PTO-1449 and references, which are being filed before the grant of the patent and pursuant to 37 C.F.R. § 1.97(i), be placed in the file of the captioned application.

If any required fees are missing, the Commissioner is authorized to charge said fees to Conley, Rose & Tayon, P.C. Deposit Account No. 50-1505/5732-00300.

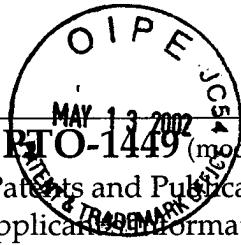
Respectfully submitted,



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Date: 5/9/02



Form PTO-1449 (modified)
 List of Patents and Publications
 For Applicant Information
 Disclosure Statement
 (Use several sheets if necessary)

ATTY. DKT. NO. 5732-00100

SERIAL NO. 09/928,767

APPLICANT: Chhor et al.

GROUP: 2818

FILING DATE: August 13, 2001

U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1	3,414,892	12/1968	McCormack et al.			
	A2	3,432,827	3/1969	Sarno			
	A3	4,489,478	12/1984	Sakurai			
	A4	4,500,905	2/1985	Shibata			
	A5	4,535,424	8/1985	Reid			
	A6	4,630,096	12/1986	Drye et al.			
	A7	4,672,577	6/1987	Hirose et al.			
	A8	4,710,798	12/1987	Marcantonio			
	A9	4,811,082	3/1989	Jacobs et al.			
	A10	5,001,539	3/1991	Inoue et al.			
	A11	5,089,862	2/1992	Warner, Jr. et al.			
	A12	5,160,987	11/1992	Pricer et al.			RECEIVED
	A13	5,191,405	3/1993	Tomita et al.			JUN 05 2002
	A14	5,202,754	4/1993	Bertin et al.			Technology Center 2100
	A15	5,227,338	7/1993	Kryzaniwsky			
	A16	5,266,912	11/1993	Kledzik			
	A17	5,283,468	2/1994	Kondo et al.			
	A18	5,398,200	3/1995	Mazuré et al.			
	A19	5,422,435	6/1995	Takiar et al.			
	A20	5,426,566	6/1995	Beilstein, Jr. et al.			
	A21	5,434,745	7/1995	Shokrgozar et al.			
	A22	5,453,952	9/1995	Okudaira et al.			
	A23	5,455,445	10/1995	Kurtz et al.			
	A24	5,468,997	11/1995	Imai et al.			
	A25	5,481,090	1/1996	Senock et al.			
	A26	5,481,133	1/1996	Hsu			
	A27	5,495,398	2/1996	Takiar et al.			

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

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	A28	5,502,289	3/1996	Takiar et al.			
	A29	5,523,622	6/1996	Harada et al.			
	A30	5,523,628	6/1996	Williams et al.			
	A31	5,552,963	9/1996	Burns			
	A32	5,561,622	10/1996	Bertin et al.			
	A33	5,581,498	12/1996	Ludwig et al.			
	A34	5,585,675	12/1996	Knopf			
	A35	5,612,570	3/1997	Eide et al.			
	A36	5,654,220	8/1997	Leedy			
	A37	5,693,552	12/1997	Hsu			
	A38	5,696,031	12/1997	Wark			
	A39	5,702,985	12/1997	Burns			
	A40	5,703,747	12/1997	Voldman et al.			JUN 05 2002
	A41	5,780,925	7/1998	Cipolla et al.			Technology Center 2100
	A42	5,781,031	7/1998	Bertin et al.			
	A43	5,796,164	8/1998	McGraw et al.			
	A44	5,801,437	9/1998	Burns			
	A45	5,915,167	6/1999	Leedy			
	A46	5,969,380	10/1999	Seyyedy			
	A47	5,973,951	10/1999	Bechtolsheim et al.			
	A48	5,976,953	11/1999	Zavracky et al.			
	A49	5,985,693	11/1999	Leedy			
	A50	6,057,598	5/2000	Payne et al.			
	A51	6,072,234	6/2000	Camien et al.			
	A52	6,085,412	7/2000	Iwasaki			
	A53	6,087,722	7/2000	Lee et al.			
	A54	6,108,730	8/2000	Dell et al.			

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	A55	6,133,640	10/2000	Leedy			
	A56	6,185,122	2/2001	Johnson et al.			
	A57	6,197,641	3/2001	Hergenrother et al.			
	A58	6,208,545	3/2001	Leedy			
	A59	6,252,791	6/2001	Wallace et al.			
	A60	6,281,042	8/2001	Ahn et al.			
	A61	6,291,858	9/2001	Ma et al.			
	A62	6,307,257	10/2001	Huang et al.			
	A63	6,314,013	11/2001	Ahn et al.			
	A64	6,322,903	11/2001	Siniaguine et al.			
	A65	6,337,521	1/2002	Masuda			
	A66	6,351,028	2/2002	Akram			
	A67	6,353,265	3/2002	Michii			
	A68	6,355,501	3/2002	Fung et al.			

U.S. PATENT APPLICATION PUBLICATIONS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A69	2001/0033030	10/2001	Leedy			
	A70	2001/0054759	12/2001	Nishiura			
	A71	2002/0024146	2/2002	Furusawa			
	A72	2002/0027275	3/2002	Fujimoto et al.			
	A73	2002/0030262	3/2002	Akram			
	A74	2002/0030263	3/2002	Akram			

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
	A75	0 073 486	3/1983	EP			
	A76	0 387 834	9/1990	EP			

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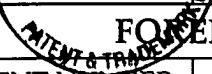
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	A77	0 395 886	11/1990	EP			
	A78	0 516 866	12/1992	EP			Yes, Abstract Only
	A79	0 606 653	7/1994	EP			
	A80	0 644 548	3/1995	EP			
	A81	0 800 137	10/1997	EP			
	A82	60-22352	2/1985	JP			Yes, Abstract Only
	A83	61-222216	10/1986	JP			Yes, Abstract Only
	A84	63-52463	3/1988	JP			Yes, Abstract Only
	A85	94/26083	11/1994	WO			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

A86	Akasaka, "Three-dimensional integrated circuit: technology and application prospect," Microelectronics Journal, Vol. 20, Nos. 1-2, 1989, pp. 105-112.
A87	Sakamoto, "Architecture des Circuits à Trois Dimensions," Bulletin of the Electrotechnical Laboratory, Vol. 51, No. 1, 1987, pp. 16-29.
A88	Akasaka, "Three-Dimensional IC Trends," Proceedings of the IEEE, Vol. 74, No. 12, 1986, pp. 1703-1714.
A89	Pein et al., "Performance of the 3-D PENCIL Flash EPROM Cell and Memory Array," IEEE Transactions on Electron Devices, Vol. 42, No. 11, 1995, pp. 1982-1991.
A90	Jokerst et al., "Manufacturable Multi-Material Integration: Compound Semiconductor Devices Bonded to Silicon Circuitry," SPIE Vol. 2524, 1995, pp. 152-163.
A91	Camperi-Ginestet et al., "Vertical Electrical Interconnection of Compound Semiconductor Thin-Film Devices to Underlying Silicon Circuitry," IEEE Photonics Technology Letters, Vol. 4, No. 9, 1992, pp. 1003-1006.
A92	Lomatch et al., "Multilayered Josephson junction logic and memory devices," SPIE Vol. 2157, 1994, Abstract Only, 2 pgs.
A93	Lu, "Advanced cell structures for dynamic RAMs," IEEE Circuits and Devices, Vol. 5, No. 1, 1989, Abstract Only, 2 pgs.
A94	Sakamoto, "Architecture of three dimensional devices," Bulletin of the Electrotechnical Laboratory, Vol. 51, No. 1, 1987, Abstract Only, 2 pgs.

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